

Message

From: Murray, Regan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4B06D968152A4CEFB83C9864FF5C89C6-MURRAY, REGAN]
Sent: 9/18/2018 9:14:31 PM
To: Royer, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d9c49ac544d84b749ba92ace741b8d5b-Royer, Michael]
Subject: RE: Meeting Notes -- Please send comments if you have any --Additional Invitee - Matt Hopton -- Invitation -- 2nd Monthly Review of Ft Campbell Projects Status + CALL IN NUMBER

Thanks, Mike. These are very helpful notes!

From: Royer, Michael
Sent: Tuesday, September 18, 2018 5:01 PM
To: Haxton, Terra <Haxton.Terra@epa.gov>; Murray, Regan <Murray.Regan@epa.gov>; Rodgers, Mark <Rodgers.Mark@epa.gov>
Cc: Hopton, Matthew <Hopton.Matthew@epa.gov>
Subject: Meeting Notes -- Please send comments if you have any --Additional Invitee - Matt Hopton -- Invitation -- 2nd Monthly Review of Ft Campbell Projects Status + CALL IN NUMBER

Ft Campbell Projects – Conf Call (9/18/18) Notes

Attendees: Terra Haxton, Mark Rodgers, Matt Hopton, Mike Royer

Water Quality project status - Mark Rodgers. Mark will check with Mark Linkous at Fort Campbell to find out if Ft Campbell has done the plumbing renovations and if they have, then he will plan for additional sampling. No resources required from SSWR.

WNTR Model Application status - Terra Haxton. A copy of the hydraulic model for Ft Campbell was requested from Jacobs Eng., which has a 50-yr contract for water and wastewater O&M at Ft Campbell. Jacobs sent a request form, Terra sent it to NHSRC management for review and unacceptable clauses to EPA were found. A marked up version was returned to Jacobs and EPA is awaiting a modified form. Mike Nye will check on status.

Leak Detection - Mike Royer.

Water Audit Training -- On August 29, Water Audit training based on AWWA M36 was presented at Fort Campbell by Water Systems Optimization (WSO), Nashville office. Instructors were Isabel Szendrey and Kevin Burgers. About 12 participants -- Army (2), Jacobs (9), EPA (1). Per Mark Linkous, Jacobs Eng. has indicated that they will conduct a water audit. A water audit will help quantify water production and usage and identify broadly sources of losses, which lays the justification and foundation for an effective water loss control program. Water audits are recommended to be annually conducted, with accuracy and completeness improved each time. EPA/NRMRL WSD suggested that M36 water audit training should be considered, and provided information on a number potential training organizations, including WSO.

Deluge System Leak Detection - As previously reported, Ft Campbell decide not to pursue use of the KY Pipe pressure transient model with U of Kentucky (Dr. Lindell Ormsbee) to help optimize location of vacuum excavations to the asbestos cement pipe for use of an acoustic listening device. One reason for not pursuing this option was that Ft Campbell is reluctant to put anything inside the pipe, and this option required some relatively minor pipe modifications. Dr. Ormsbee will be on sabbatical until May 16, 2019. Other options for applying innovative leak detection technologies to the deluge system will be included in the project plan for the Fort Campbell distribution.

Leak Detection for Ft Campbell Distribution System

M. Royer is revising the project plan for leak detection technologies for Ft Campbell. The new version will contain additional information about Ft Campbell's distribution system (including deluge system) requirements, leak detection options, and demonstration plan

A project on this topic was submitted to the NRMRL pre-STRAP exercise.

Parking lot item – Mike Nye suggested a project to compare the leak detection capabilities of KY Pipe vs. EPANET. It may be a great idea, but I'm not qualified to comment. I recommend that WSD (or NHSRC?) ds modeling experts should be involved in determining whether/how to do this. I don't plan to do any more on this unless Mike Nye or modeling expert expresses further interest.

Other Topics

We will continue to hold monthly calls and if Regan can call in, she will.

Mike R.

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